ENLARGE PICTURES BY HAND

Apparatus Invented by a Gorman Does Work With Almost Same Accuracy as Photograph,

An apparatus by means of which pictures can be enlarged by hand with almost as much accuracy as a photograph can be mechanically enlarged has been invented by a German. A tamp has a series of reflecting mirrors binged at the top and a lens set in a tubing that points downward over the artists' drawing paper. A picture, suppose it is a portrait, is placed



For Enlarging Pictures.

on top of the apparatus and its 1 sflected image, passing through the magnifying glass, appears on the paper several times enlarged, but naturally a perfect replica of the original. An artist of only small ability can then trace over the lines and make a faultless copy of the head. Such an apparatus should be of great value to those who make a specialty of large crayou portraits done - from photographs, a trade seldom plied outside of rural districts.

NEW TYPES OF AIR SICKNESS

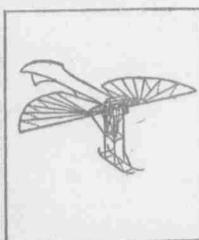
Most Remarkable Symptom Is Overpowering Sleepiness, With Sluggish and Clumsy Movements.

Climbing into the air has developed three new types of disease: (1) mountain sickness, due to the muscular work of climbing in addition to the rarefaction of the air; (2) balloon sickness, produced only at great heights by the thluness of the air, and (3) aviators' sickness, in which more severe symptoms result from the rapidity of the change of asmospheric pressure, especially in descent. Berget notes that aeroplanes may rise to 18,000 feet in an hour. The humming or cracking produced in the ears is the same as in balloon disease, but there is also a peculiar uneasiness. and the aviator is quickly out of breath. The French aeronaut mentions further that the descent in a sailing flight may be at the rate of 1,000 feet or more a minute, Merane at Havre having dropped 8,000 feet in six minutes. The effects are heart beats of great force but no increase in rate. humming in the ears, and an exaggerated special uneasiness. There is burning of the face, with severe headache. But the most remarkable symptom is the overpowering sleepiness, with sluggish and clumsy body movements, and this may last for days.

FLYING MACHINE LOOKS ODD

Resembles Huge Bird-Kite, With Two Wings and Long Tall-invention of an Ohio Man,

One of the oddest looking flying machines yet has been devised by an Ohlo man, who evidently belongs to that class of aerial inventors who atick to the theory that to fly you must have wings. This machine, as the cut shows, resembles a huge bird kite, with its two wings and long tail. The wings are pivoted to the body of the machine and are driven up and down by shafts operated by the en-



Odd Flying Machine.

gine, which sets in the framework of the body. The tall, of course, is to preserve a balance. The wings are pro-vided with individual rotable vancs that open as they go up, thus offering practically no resistance to the air, and close as the wings come down, thus forming the flat surface required to support the machine. The pair of aledgelike runners at the hottom act bater to a perfection that rivals the as feet and enable the aviator to fruit brought direct to Feria from alight safely on the ground,

FEW ABUSES OF AUTOMOBILE

Tax on the Eyes and Nervous System Imposed by High Speed-Also Numerous Mixor Ills.

The twentieth century may fairly be alled the age of speed. The trolley ear, rushing through city stream and country roads, replaces the jogging orse car and rombling stage; the fast steamers take you to England in five days; the thousand miles between New York and Chicago is covered in 18 hours; and mankind has almost forgotten the joys of a quiet saunter. Distances have been shortened by the bleyels, the automobile and the motor boat, and the aeroplane is to outspeed them all.

Although much is gained, perhaps, the physician knows that something is lost, remarks the Youth's Companion. The uses and benefits of the automobile, for example, are great if it is sensibly used; but when it is abused the danger to those in and out of the car is even greater. Driving a high power car at full speed is a pleasurable form of intoxication, but like all intoxications it has its penalties, and they are heavy.

The driver's eyes and nervous system may suffer seriously, although there are numerous minor ills to which he to liable that may come first and teach him moderation

The tax on the eyes is enormous. for they are kept at constant strain. looking for obstacles and Inequalities in the road. The wind and dust in spite of goggles often cause a troublesome inflammation that yields only to rest in a darkened room and appropriate medical treatment.

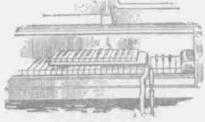
A not uncommon affection of the eyes is a fallure to focus properly, the ciliary muscles become exhausted and suddenly cease to act-a temporary paralysis that causes a sudden blurring of the vision. If that comes while the car is going at full speed the driver is fortunate if he can stop it in time. The only course for the driver who has had this affection is to give up the wheel, for if it has occurred once it may occur again at any

Another ailment that may affect the assengers as well as the driver is a painful stiff neck caused by unconscious muscular tension. But the most serious penalty that follows abuse of the automobile is neurasthenia or nervous breakdown. A man whose brain is fatigued with business cares annot with safety substitute another form of mental strain for the needed relaxation.

MUSICAL BELLS FOR PIANOS

Attachment Designed Particularly for Moving Picture Theaters and Similar Places.

The plane attachment for musical motion-picture theaters and similar places where only a planist is employed, is just being marketed by a Wisconsin manufacturer, says the Popular



Musical-Bell Attachment.

Mechanics. A small keyboard swings into position as shown in the drawing, and by means of it the planist can operate the musical bells, playing loudly or softly as desired,



There are alx thousand known languages and dislects. Screen doors with fly traps attached

are a recent invention.

discovered is 32,089 feet. The precise weight of an English unce was fixed by Henry III, Foreigners living in Siam will estab-

Bangkok.

nids a swimmer. ble ink." To make it visible scatter coal dust on the writing.

Two new British battleships will be fitted with anti-rolling tanks, the first war craft so equipped. The list of known insects is in-

creased annually by the addition of about eight thousand specimens. French astronomers blamed a large sun spot for the coldest August experienced in that country in years.

bents at the rate of 136 per minute and at the age of thirty, it is half that rate.

A camera which will enable motion pictures of the aurora borealis to be made has been perfected by a Swedish scientist.

Two separate planes within a single case, the keyboards being at right angles to each other, is a musical instrument novelty.

The recent striking of an Italian first happening of the kind known to scientists.

An Arizona scientist has discovered that dates can be ripened in an Incu-Africa.

LEADERS OF THE ARMY OF BULGARIA



OUR illustration is from a photograph of the Bulgarian generals at the army maneuvers. Ferdinand, czar of y Bulgaria, is seen at the right, indicated by a cross.

Scientists Charter Yacht to Visit South America.

electric bells, designed practically for Characteristics of Country and Habita of Tribes That Live There to Be Studied for Months by Members of Expedition

> Philadelphia.-Aboard the Mermand, 120-foot steam yacht, the members of the University of Pennsylvania South American expedition left here or the Amazon. The yacht will voyige by way of Porto Rico, Barbados Trinidad to Para, at the me of the Amazon, and will then steam up the great river into one of its uper tributaries, proceeding up the unsharted stream until the shallows sheek her. She will then be moored and serve as beadquarters for the exploring parties, which will use the gassline launch and canoes with which the is equipped in order to reach those soints on the river which are not savigable by the yacht herself. When he observations shall have been completed in any given locality the collecions will be assembled on the yacht, which will then pass on to the next ributary to be explored. Para or Manaos will serve us a base of supplies, according to the region of the amazon basin to which the expedition tirects its attention for the time being

The main purpose of the expedition is to study the Indian tribes of the Amazon valley, which have not been The greatest depth of the sea yet studied in detail, and to collect for he university museum specimens of heir arts, industries, customs and ercise. The more common of these nodes of life. Their songs will be resorded on the phonograph, and their lish a Pasteur treatment hospital at fances and various activities will be eproduced by the moving-picture cam-Fresh milk may be used as "invisi- brief, the expedition seeks to furnish an in the world at this time." is complete a record as modern methids can afford of the native life of the Amazon valley and to illustrate these studies by adequate collections assemaled in the university museum.

The remoteness and seclusion of nany of the tribes which will studied is indicated by the fact that such a condition as that reported on the Putamay river can exist in the 'ace of modern civilization and with-The pulse of the new born infant out interference from any local govtremment

While the study of native life forms the main object of the expedition, othir aspects of exploration will not be seglected. A medical investigator will accompany the party for the purpose of studying borl-berl and other fatal fineases peculiar to the Amazon region, and the flora and fauna of the

country will receive due attention. The man selected by the museum to have charge of the expedition is Alarmy balloon by lightning was the got Lange, whose experiences in the leg in two places. Almost unconscious lungles of the Amazon two years ago, when accompanying a party of rubber to cut off his foot with a knife, hunters, nearly cost him his life. With Lange will be associated an atten Alexander Gata, a fellow workethnologist, a naturalist, a physician man, happened along. He opened the Dr. Fanklin Church of New York.

No danger is anticipated from the natives, who are peaceably inclined and hospitable to strangers. In deallug with these tribes many simple ments, decorated calabashes and pot-

To Be Only One in World When She Grows Up, Declares Her Father, Athletic Director

Margaret Terry Hudson Grant, two lieves that he collided with the goat. lettes of the University of Minnesota. Is most felt. and ever since she was three weeks old, the baby has been training for the this time that a riot was in progress. place she is some day to fill.

Systematic exercise, under the careful supervision of her father, who himself was formerly a track star at Yale, and who has "made" many Minnesota athletics, is an much a part of little eats. Mr. Grant explained the other day while the baby went through her regular course

She weighs 28 pounds, without an sunce of fat on her little body, She can walk up three flights of

stairs and back without stopping. The little girl, though beginning to talk, delights in her daily physical ex-Includes:

A wand drill to strengthen and develop her chest muscles.

"She is going to be perfect physical-A mitten has been patented that sra. Systematic studies will be made by when she knows up," confidently as-adds to the surface of the hand and of the native languages, religious and seried Mr. Grant, "and probably that's ocial systems and decorative art. In something the can be said of no wom-

Man Imprisoned on Track Before Train Attempts to Use Knife on Captured Limb.

Chicago.-Caught on a railroad track like a fox in a trap, with a passeph Kowanski, 51 years old, did what has a wife and five children. the animal would have done. He attempted to sever his foot. Rowanski, a watchman in the Chi-

cago & Eustern Illinois railroad yards at South Leavitt and West 43rd streets, was making his rounds at 5 o'clock in the morning when his left foot was caught in a frog.

Knowing a fast train was due in half an hour. Kowanski twisted and wrenched at the imprisoned leg. but in vain. The terrific strain broke the

Just as he was starting on the operafter Kowanaki had been rescued.

GOAT VANQUISHES POLICE

Ruminant Butts Man Off Porch and Strips of His Uniform Officer Sent to Quiet Him.

Chicago.-John Boland of 1700 West Twenty-second street was a thousand miles from Chicago in his dreams, gifts will be made in exchange for sleeping on a chair on the back porch, feather work, bows and arrows and when a large Angora goat, with a blowguns, drums and musical instrupression, butted him off the chair and into wakefulness.

Boland ran a marathon to the wood shed just in time to feel the impact BABY TO BE PERFECT WOMAN of the goat against the door. Members of the family, aroused by his apand Charles Tickey, a brave patrolman, responded.

Tickey learned with ease to dis ally, is the future mapped out for yard something went amiss. He beyears two months old, by her father, At any rate, he sustained a terrific Richard Grant, director of track ath- shock where the high cost of living

Neighbors notified the police again, They also suspected a Mexican invasion and a decisive battle in the Boland back yard. Policemen who crowded a responsive patrol wagon deduced the fact that the goat had disappeared, as they failed to sus-Margaret's daily life as the food she tain the shocks that almost sent Tickey to the hospital.

Boland, who has foreworn the chair on the porch for sleeping purposes, told the police he did not know what kind of an animal he had to deal with He almost suspected that a white elephant was loose.

FINDS BIG BUNCH OF LOOT

Search for a Dollar Whip Discloses Stolen Property Worth \$2,000.

York, Pa.-In trying to locate a dollar whip, which had been stolen from the buggy of Michael Dougher ty of Chanceford, Detective Charles White unearthed at the home of Adam S. Keesey of Spry, about two miles TRAPPED, TRIES TO CUT FOOT from this city, stolen property to the amount of \$2,000, which had been carried away from the Pullman Automobile works. The plunder consisted of all parts of the machines.

Keesey broke down and confessed his guilt and said he had been selling the loot for junk. In default of ball senger train due in a short time, Jo- he was sent to fail. The accused man

OFFER PRIZES FOR CHILDREN

Citizens of Douglaston, L. I., in Queer Predicament Over School Money.

New York.-Having falled to find more than fifteen children in Bouglaston, Long island, one of the outlying villages included within the limit of Greater New York, of the proper age to attend a kindergarten, the citizens from pain, Kowanski then attempted of the place will offer prizes to any ene who will furnish three more children to attend the school, that the salary of the teachers may be paid by the board of education of New and a moving-picture photographer. switch and released Kowanski. The York. A state law provides that a The physician chosen for the post is train passed the "trap" three minutes city kindergarten must have at least eighteen children.

FOLEY KIDNEY PILLS

Are Richest in Curative Qualities FOR BACKACHE, RHEUMATISM, RIDNEYS AND BLACCER

Phillips Co. Ark. Fit to 840 per a. Corn average Stored willing to record. If her so of No. Levils sy norms. Write for per, S.N. Tasphell, Moless, and

RARE OFFORTUNITY FOR INVESTORS

Dott. "Was your aviation must a suc-

coss ?" "No, not much of a one. There were only three accidents and no fatalities."

Important to Mothers Examine carefully every bottle of CASTORIA, a safe and sure remedy for infants and children, and see that it Bears the Bignature of Calffello In Use For Over 30 Years. Children Cry for Fletcher's Castoria

The Only Way. "No use to woo that girl. She has

a heart of marble." "Then leave it in statu quo."

Comparative Luxury, "My father has a horse and buggy." "Yes, but my brother was run over by an automobile."

Will Soon Wake Up.

Cincinnati weman declares she has discovered a man without a fault. Wait till they've been married ten years.-Milwaukee Sentinel.

At a Distance.

"She certainly tries to obey her mother's injunction not to let the roung men get too near."

"Why, I saw a young man with his arm around her last night." "I know, but she had a faraway look in her eyes,"

Jackson's Relief.

Wilson (who has met his friend whom he hasn't seen for some time)-Let me see, you knew poor old Jackson, didn't you?

Johnson-Yes, I knew him well. Wilson-Then you will be pleased to hear he is out of his misery at last. Johnson-You don't say so. Poor old fellow; but I always thought he would pop off suddenly. When did he die?

Wilson-Oh, he's not dead; it's his wife.

Height of Assurance.

A man was charged with stealing a horse, and after a long trial the jury acquitted him. Later in the day the man came back and asked the judge for a farrant against the lawyer who had to be safully defended him.

At the charge?" Inquired the

"Why, your honor," replied the man, you see, I didn't have the money to pay him his fee, so he took the horsa stole."-Lippincott's Magazine

Open Air Schools Grow in Favor.

With the opening of the fall school rm, over 200 open air schools and fresh sir classes for tuberculous, and peals for aid, telephoned the police anaemic children, and also for all children in certain rooms and grades, will be in operation in various parts of the United States, according to the Nation-Minneapolis, Minn .- To become the gulah between both ands of a healthy al Association for the Study and Preworld's most perfect woman, physic- gont. As he groped about in the dark vention of Tuberculosis. All of these schools have been established since January, 1907, when the first institution of this character was opened in Providence, R. I. On January 1st, 1910, there were only 13 open air schools in this country and a year later the number had increased only to 29. Thus, the real growth in this movement has been within the last two years. Massachusetts now leads the states with 86 fresh air schools and classes for tuberculous, anaemic and other school children. Hoston alone having over 80. New York comes next with 29, and Ohlo is third with 21. Open air schools have now been established in nearly 50 cities in 19 different states.

A Million Persons

Breakfast every morning on

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You may be sure it will be a delicious part.

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